

Supplement to "Flight," January 28, 1911.]

FLIGHT

• • FIRST
AERO WEEKLY.

An Illustrated Weekly Journal.

VOL. II.

FROM JANUARY TO DECEMBER, 1910.

London:

F. KING AND CO. (LIMITED), 44, ST. MARTIN'S LANE,
CHARING CROSS, W.C.

1911.

INDEX TO VOL. II.

- ABOUKAIA**, Mdle., 28.
Accidents and their morals, 458, 612, 812.
 statistics, 997.
Acer dynamometer, 558.
Advisory Committee on Aeronautics, 704.
Aerial League, 26, 194, 256, 433, 600.
 and General Election, 10.
Aero Club of U.K. See Royal Aero Club, 9.
Aerodromes, 150.
Aeronautical Classics, 392, 462, 694, 734, 886.
Aeronautical reserve, 1029.
 Society of G.B., 56, 137, 375, 466, 821, 928, 992, 1,030.
 " " " and inventors, 370.
 " " " testing parts, 830.
Aeroplane v. dirigible, 134, 167, 221.
 sheds, 390.
 " Building and Flying Society, 448, 491, 505, 553, 622, 801, 821, 929, 971, 1030.
 " fittings, 525, 558, 597, 740.
 " lifts, how an, 446, 452, 463, 473.
Aeroplane to the Sun, 689.
 patents, 1,030.
Aeroplante, 474.
Aero Models Association, 256, 600, 675, 888, 1055.
Aerocaphe, 867.
Aero-Technique Institute, 63.
Airships in peace and war, 157.
 of Europe, 29.
 sheds, 33, 44, 79, 316, 337, 417.
 " and pits, 1019.
Albany-New York flight, 437.
Aldershot Model Aero Club, 906.
Alexander Prize for engines, 395, 432, 469, 890, 947.
Alexander, J. H., 559.
Algeria, flying in, 13, 44.
Allahabad, flying at, 1018, 1034, 1056.
Alps, flying over, 560, 604, 737, 757, 782, 805.
 trips among, 252, 607, 697.
Altimeter, 585.
Altitude, measuring, 676, 790, 1039.
 effect of, 918.
 " regulator, 419, 453.
 " See also Records, height.
Alvaston motor, 333.
America, flight in, 464.
American Aero Club, 144, 958, 978.
 army aeroplanes, 1,067.
 International meeting, 847, 870, 894, 917, 932, 941.
 Aeronautic Association, 416.
Amerigo, 849, 959, 1,016, 1,036.
Analysis of aeroplanes, 15, 98, 147.
Anchor slip device, 297.
Andre Expedition, 81.
Anemometer, 244, 260, 558, 585, 851.
Anjou meeting, 450.
Antoinette Co., 219.
Anzani, 294.
 motor, 886.
Art of aviation, 446.
Arundel House School Ae.C., 194, 410, 505, 600, 953, 971, 992, 1030.
Aster flight engine, 159, 902.
Atlantic, across the. See Wellman, also Brucker.
Atmosphere tests, 39.
Aubrun, 489, 695.
Auction, 1037.
Audemars, 569, 589.
Austrian military airships, 452, 607, 1039.
 aeroplanes, 828, 959.
Aviation Association of Ireland, 9, 40, 126, 163, 217, 328, 375, 448, 491, 505. See also Irish Aero Club.
Aviation Investment and Research, Ltd., 275.
Avis monoplane described, 181, 288.
Avro triplane. See Roe.

BAMBOO bending, 147.
 joining, 510, 534.
Baddeck aeroplane, 29, 196, 220, 268, 295.
Baden-Powell monoplane, 951.
Baird monoplane, 713, 780.
Baldwin biplane, 730.
 Capt., 933.
Ball, FLIGHT at, 1012.
Balloon, photos from, 43, 530, 583, 599, 978, 1043, 1065.
 pilots, French lady, 649.

Balloon races, rules for, 393.
Ballooning, 13, 42, 81, 224, 316, 495, 502, 503, 531, 553, 559, 600, 607, 781, 830, 893, 936, 955, 1018, 1060.
 boy scouts and, 357, 375.
 French, 97.
Balloons, firing at, 697.
Balloonists, Territorial, 227.
Ball thrusts, 972.
Balsan, J., 12, 62.
Baltimore meeting, 959.
Barcelona meeting, 371.
Barnes, Geo. N., on French bodies, 90.
 484, 569, 647, 767, 824.
Batchelor's monoplane, 510.
Bayonne aerodrome, 63.
Beck motor, 901.
Becker biplane, 892.
Beedle propeller, 37.
Belfast Model Club, 582.
 to Dublin flight, 734.
Belgian military flyers, 975, 1017, 1082.
 dirigible. See Ville de Bruxelles.
Belgium, flying in, 975, 1,017.
Bell, Dr. Graham, 529.
Belmont Park. See American Meeting.
Berkshire A. and Ae. C., 9.
Berlin meeting, 295, 391, 412.
 show, 275.
 flying over, 409, 436.
Berthand engine, 502.
Bertin monoplane, 648, 718.
Biarritz meeting, 257, 276.
Bielovucic, 603, 613, 717, 740.
Billings teaching machine, 694, 951.
Bird learning to fly, 155.
Birmingham Aero Club, 163, 232, 310, 329, 375, 466, 600, 736, 779, 841, 953.
Blackburn monoplane, 406, 646, 670.
 stability device, 429.
Blackpool meeting, 376, 468, 602.
 prizes, 485.
 described, 613, 642, 664, 684.
Blanchard, death of, 914.
Bland, Miss, biplane, 48, 129, 168, 398, 454, 511, 561, 608, 741.
 described, 1025.
Blériot, M., 278, 290, 435, 451, 488, 996.
 monoplanes, 1, 12, 30, 80, 112, 143, 201, 278, 307, 356, 414, 861.
 details, 158, 438, 617.
 memorial, 86.
 four-seater, 648.
 London school, 818, 928, 1010.
 two-seater described, 1068.
Blondeau, M., 451, 506, 623, 791, 833, 908.
Blood pressure of aviators, 1060.
Boldon meeting, 624.
Bologna meeting, 436.
Bomb throwing, 531, 719, 762, 785, 1010, 1083. See also Guns.
Bonn model parts and fittings, 761.
Bordeaux meeting, 648, 754, 784.
Bournemouth meeting, 94, 149, 248, 514, 540.
 aerodrome, 243.
 entries, 501.
 regulations, 426.
 described, 516, 542, 568.
 results, 574.
 and Lanark meetings compared, 667.
Bouvier, 357.
Boyle, Hon. Alan, 306, 336, 405, 567, 780.
Brakes for aeroplanes, 743.
Bregi, E., 113, 603, 717.
Breguet biplane, 43, 63, 309, 472, 487, 718, 737, 874, 933, 997, 1016, 1038.
 details, 1028.
Brewer, Griffith, on naval aeronautics, 86.
 on future developments, 300.
 on Wright Bros., 706.
 R. W. A., 446.
Bristol as flying centre, 138.
 and W. of England Aero Club, 163, 194, 274, 329, 491, 526, 801, 953, 1055, 1076.
 biplanes, 713, 764, 802, 867, 956, 973, 984.
British Army and aviation, 824, 890, 922.
 Association, 751.

British Government and aeronautics, 177, 485, 599, 724, 912, 922, 936, 1001.
 military airships, 38, 65, 117, 121, 196, 215, 306, 332, 436, 485, 555, 584, 602, 649, 760, 765, 780, 803, 890, 916.
 military airship sails to London, 444, 555.
 shed, 31.
 aeroplanes, 485, 694, 802, 995, 1078.
 naval airship, 96, 177, 215, 607, 803, 825, 843, 1039.
 aeroplanes, 992, 1011, 1078.
Broc motor, 885.
Brookins, Walter, 472, 489, 560, 604, 673, 677, 826, 933.
Brooklands, 248, 257, 278, 355, 405, 433, 475, 483, 582, 613, 624, 651, 755, 797, 798, 817, 839, 866, 873, 889, 906, 930, 954, 969, 993, 1010, 1038, 1056, 1077.
 to Aldershot, 995.
Brucker Transatlantic scheme, 142.
Brunnhuber, 1017, 1038, 1082.
Brun, General, 416.
Bruneau de Laborie, 718.
Brussels Exhibition, 50, 63.
 meeting, 603, 624, 651, 893, 909.
Budapest flying meeting, 96, 412, 450, 470, 487.
Buenos Ayres, flying at, 144, 315.
Buist, H. M., on Bournemouth and Lanark, 667.
 Leopoldstown, 714.
Bulgaria, Tsar of, 507, 583, 1018.
Buoyant aeroplanes, 831.
Burgeat, Capt., 450, 472.
Burton meeting, 672, 796, 825, 843, 864, 886, 909, 928.
Busson, 506, 583.
Butler, Hedges, Cup, ballooning for, 503.

CAEN meeting, 625, 651.
Cagne, 719.
Caille, 998.
Cairo meeting. See Heliopolis.
Calderara, Lieut., 165.
Calendar, F.A.I. Flight, 42.
Calico, 280, 296.
Cameron monoplane, 369.
Canada Aeronautical Society, 9.
 flying in, 502, 530.
Cammarota, death of, 1016.
Cannes meeting, 218, 255, 268, 276, 283.
Canton Unne motor, 886.
Capper, Col., on military aspects, 60, 78, 842.
Capsules for inflating balloons, 607.
Carburetors, 428.
Cardiff meeting, 448, 528, 582.
Caricatures, by Mich., 1013.
Carnegie Prize, 166.
Carter, J. L. J., 871.
Cattaneo, 583, 959, 1018.
Caudron biplane. See S.A.F.A.
Centre of Pressure. See Pressure.
Cesar aeroplane mixte, 215.
Chambre Syndicale Industries Aeronautique, 601.
Champel, 582.
Chanute, O., 529, 672, 734, 827, 984, 997.
Chavez, 165, 643, 746, 805.
Cheuret, 414, 415.
Chicago-New York Prize, 604.
Chicago to Springfield flight, 826.
Chittenden and Robinson on design, 58, 73.
 machines, 960.
Circuit de l'Est, 489, 650, 675, 690.
Circus, aerial, 975.
Cities, flying over, 699, 800, 808.
Clarke glider, 56, 82.
 propeller, 626.
Clarkson paddle, 1060.
Clarus alloy, 1060.
Classification of aeroplanes, 936, 979, 1001, 1040.
Clayton, Capt., 485.
Clement-Bayard Demoiselles, 26, 28, 207, 270.
 biplane, 450.
 motor, 904.
 airship, 13, 144, 294, 311, 313, 373, 452, 509, 584, 627, 649, 687, 782, 855, 868, 915.
Clement, M., 396, 851.
Cleveland aeroplane, 733.
Clerget monoplane, 883.
 motor, 885.

Clothing for aviators, 695, 755, 782.
 Clouth dirigible, 132, 215, 397, 417, 509.
 Coanda monoplane, 881.
 Cockburn, G. B., 519.
 Cody, S. F., 11, 80, 765, 503, 559, 733, 749, 755, 765, 803, 824, 890, 912, 921, 928, 956, 1078.
 " biplane described, 923, 945.
 Collier monoplane, 143, 218, 804.
 Colonies, aeroplanes for French, 832, 845, 997, 1082.
 " Col. Renard, 81, 215, 584, 807.
 Colmore, G. C., 485, 1005.
 Commission Aérienne Mixte, 50, 90, 219, 488.
 Companies (new) registered, 16, 32, 68, 170, 198, 246, 282, 298, 318, 340, 360, 400, 420, 456, 494, 512, 538, 564, 656, 680, 764, 788, 810, 832, 896, 940, 1022.
 Company promoters, 476.
 Compass, steering by, 775.
 Conference on Aerial Law, International, 372, 407, 436, 530, 1004.
 Conisboro' Model Aero Society, 375, 432, 406, 779, 841, 865, 906, 930, 953, 1009.
 Construction details. *See* Design.
 Control of aeroplane, by Sir R. Paget, 682.
 " gear, 379, 558, 741, 834, 979, 1071. *See also* Steering, Stability Devices and Gyroscopes.
 Cooke, Capt. J. H., 521.
 Copenhagen, flying over, 251.
 " meeting, 28.
 " Sound, flying across, 560, 584, 719.
 Cordonnier, 611.
 Coudert motor, 904.
 Coventry Aeronautical Society, 111, 126, 194, 232, 310, 466, 502.
 " Aeroplane Building Society, 865, 1009, 1055.
 Crau Aerodrome, 92, 276. *See also* Marseilles meeting.
 Crankshafts, 390.
 Creese cant indicator, 250.
 Cross-Channel by balloon, 412, 607.
 " ferry, 713.
 " flights. *See* Rolls, Hon. C. S., de Lesseps, Jacques, Moisant, J. B., Sopwith, T., Grace, C.
 Cross-country flights, 430, 469.
 Crucifer aeroplane, 836, 939, 981, 1083.
 Curtiss, Glenn, 44, 54, 79, 337, 531, 584, 647, 657, 723, 738.
 " Albany-New York flight, 437.
 " biplane, 283, 728, 957.
 Custer, J. L., on Stetoscope, 347.
 Cutting edge, 168, 419.
 Cycloplanes, 438, 535, 701, 786, 832, 874, 961, 979, 1020.
 DAILY MAIL £10,000 prize. *See* London to Manchester.
 " second £10,000 prize, 353, 382, 496, 499, 529, 950, 1037.
 " cross country prize, 431, 672, 886, 1016.
 " garage, 936.
 d'Angelis biplane, 245.
 Danube, flying over, 828.
 Davidson gyropter, 910.
 Davies, L. G., on steering by compass, 775.
 Dawes, Capt., 43, 355, 376, 406, 485.
 Day monoplane, 358, 399.
 De Baeder, 26, 28, 604, 625, 696, 717, 782.
 De Caters, 44.
 De Forest prize, 216, 957, 995, 1037, 1044, 1057, 1080.
 Defries, Colin, 73.
 De Havilland biplane, 780, 866, 956.
 " described, 266, 286.
 " engine, 388, 417.
 De Jardin prize, 719.
 Delabrosse monoplane, 758.
 Delacombe, H., 592.
 Delagrangé, death of, 30, 64, 131.
 De Laminne, Chevalier, 451.
 De la Roche, Madame, 549.
 De Lesseps, Jacques, 27, 530, 584, 624, 626, 782.
 " cross-Channel flight, 403.
 Deperdussin monoplane, 882, 1051.
 Design and construction of aeroplanes, 45, 58, 73, 201, 260, 281, 300, 316, 338, 437, 562, 598.
 Designing and building club for London, 366.
 Deutsche Prize, 336, 404, 719.
 " Deutschland, 509, 522, 697, 76.
 Devon and Cornwall Aero Club, 713, 779, 801.
 Dickson, Capt. B., 143, 277, 294, 313, 357, 371, 470, 541, 569, 720, 811, 824, 851, 866, on speed alarms, 658.
 " Dictionary, 1037.
 Dihedral angle, 98, 222, 244, 260, 317, 358, 397, 454, 510, 535, 677, 831, 960.
 Dijon meeting, 804.
 Dipping edge, 631.
 Dirigible balloons, 878.
 Doncaster Aero Club, 865.
 " meeting, 376, 406, 523, 582, 755, 781, 795.
 Dover-Ostend flight, 973.
 Dreadnought engine, 536, 621.
 Drexel, J. A., 291, 484, 568, 582, 591, 592, 694, 755, 975, 998.
 Dubonnet, M., 242, 278, 329, 435, 891.
 Ducrocq, M., 908.
 Dudley House School Ae. C., 992.
 Dufaux, 584, 696, 719.
 Dundee Aero Club, 232, 579.
 Dunn model, 777.
 Dunne, Lieut., 278, 330, 434, 705.

Dunne aeroplane described, 459, 477, 491, 571, 599, 709.
 Dunstall Park, 734, 907, 954.
 Dunville, J., 81, 132.
 Duplicate engines and propellers, 721.
 Duralumin, 967.
 Duray, 450.
 Duthiel-Chalmers engine, 604.
 Dutrieu, Mdlle., 27, 28, 80, 336, 737, 796, 913, 974, 997, 1013, 1081.
 EASTCHURCH, doings at, 109, 735, 798, 817, 839, 907, 954, 969, 993, 1010, 1056.
 East London Aero Club, 930, 1009, 1030.
 " College Aero Research Society, 930, 972, 1009.
 Edinburgh Model Club, 258.
 Edison, T. A., 531.
 Edmond, 81.
 Edward, King, 257, 263, 337, 362.
 Education, 517.
 " Germany, 234, 1018.
 Efimoff, 62, 80, 94, 396, 934.
 Egerton, Hon. Maurice, 125, 128, 195.
 Elastic motors. *See* Models.
 Elliott's work, 262.
 Ely, E., 854, 959.
 Empress engine, 699.
 Engelhardt, Capt., 81, 128, 165, 219, 681, 828.
 Engines, 809.
 " Alexander prize for, 395.
 " Alvaaton, 333.
 " Aster, 159, 902.
 " cooling oil, 303.
 " de Havilland, 388, 417.
 " Empress, 699.
 " E.N.V., 845, 883.
 " Gnome, 1074.
 " Green, 186, 214, 230.
 " Humber, 499.
 " Lamplough, 698, 1036.
 " Mercedes, 846.
 " Miller, 627.
 " N.E.C., 23, 529, 1052.
 " Paradox, 949.
 " at Paris Show, 883, 901.
 " model. *See* Models.
 " trials in France 29, 603, 751, 997, 1059.
 " Wolsley, 432.
 E.N.V. engines, 848, 883.
 " monoplane. *See* Howard Wright.
 Erbsloh dirigible, 585.
 " Espana, 95, 132, 144, 166, 373.
 Eteve, rear control, 504.
 " Capt., 958.
 Etrich, Herr, 10, 394.
 " monoplane, 377, 845, 968.
 " *See also* Liner.
 Euler biplane, 64, 96, 893, 914.
 Evershed biplane, 468.
 Examination paper, 232.
 Exports. *See* Imports and Exports.
 FABRE hydroplane, 302, 427, 560, 648, 782, 867.
 Fabrics, 428, 474.
 Faccioli biplane, 144.
 Faked photographs, 1, 171.
 Farman, Henry, 103, 188, 258, 303, 415, 450, 625, 626, 891, 913, 932, 958, 996, 1016, 1059.
 " biplane, 207, 307, 506, 616, 674, 1016, 1059.
 " Etampes, school at, 258.
 " four passengers, 958.
 " monoplane, 161, 356, 471, 648.
 " nationality of, 62.
 " patents, 886.
 " Maurice, 26, 94, 196, 294, 315, 356, 414, 435, 450, 560, 626, 703, 738, 783, 806, 845, 871, 891, 933.
 " biplane, 219, 506, 862, 948.
 " combined biplane, 306.
 Farnham Model Aero Club, 888.
 Faure, death of M. Jacques, 1016.
 Federation Aéronautique Internationale, 906. *See also* Royal Aero Club.
 Fequent, Lieut. *See* French military aeroplanes, 469.
 Ferguson monoplane, 23, 145, 168, 222, 315, 468, 582, 624, 649, 672, 713, 826, 843.
 Ferry, aerial, 556.
 Filey Beach, 468, 559, 694, 713.
 Filtz motor, 884.
 Fittings for aeroplanes, 525, 558, 597, 740.
 Fitzwilliam, Countess, 315.
 Flapping wing machine, 14, 399, 472.
 Fleche monoplane, 626.
 Fletcher monoplane, 26, 143.
 " biplane, 672.
 " engine. *See* Empress.
 Flight-golf, 10, 30, 66, 280.
 Florence meeting, 13, 277.
 Fly faster for less power, can we, 532, 605, 628, 872, 919, 981.
 " correspondence, 654, 808, 896, 1061.
 Flying Machines—Practice and Design, 392.
 Folkestone meeting, 713, 781, 797.
 Forest Prize. *See* de Forest.
 Forlanini dirigible, 65, 113.
 Framework. *See* Timber.
 Frank, Mme., 624, 1078.

France, Aero Club of, 28, 37, 42, 81, 134, 166, 219, 472, 485, 603, 648, 892, 914.
 " governing bodies in, 90, 488.
 " prizes, 500.
 " Automobile Club of, 258.
 Frankfort to Mannheim race, 692.
 Fregate monoplane, 143.
 French Government and aviation, 377, 673, 997.
 " pay allowances for military flyers, 708.
 " manœuvres, 759.
 " military aeroplanes, 81, 94, 112, 142, 195, 252, 294, 336, 356, 415, 435, 469, 482, 507, 583, 654, 673, 695, 718, 737, 806, 827, 891, 1059.
 " military aeroplanes competition, 673, 934.
 " airships, 452, 531, 783.
 " notes by Oiseau, 674, 689, 710, 752, 774, 779, 825, 844.
 " naval aeroplanes, 737, 827.
 Freshfield aerodrome, 970.
 Frey, 12, 357, 409.
 GABRIEL Alloy, 1060.
 Gaitz-Hocky model, 249.
 Gamage helmet, 755.
 Garage for airship. *See* Airships.
 Garrod model, 968.
 Gasnier, R. and G., 278.
 Gaubert, 29, 997.
 Gaudart, 196, 295, 336.
 Gaunt biplane, 713.
 " monoplane, 355.
 Gebr-Tim monoplane, 69.
 Geneva, flying over Lake, 39, 719.
 " meeting, 674, 695.
 George and Jobling biplane, 152, 206, 251.
 George, A. E., 735, 843.
 German airship manœuvres, 97, 166, 337, 356, 584, 27, 760.
 " military airships, 373, 408. *See also* Gross and Parseval.
 " aeroplanes, 259, 417, 427, 451, 560, 827, 828, 871, 914, 975, 1082.
 " circuit competition, 975, 1016.
 Gibbs, L. D. L., 277, 313, 337, 369, 485, 635.
 Gibson biplane, 672.
 Gilmour, Graham, 382, 502, 645, 662, 733, 755, 879, 1003.
 " slip device, 297.
 Glasgow Model Aero Club, 274.
 Gliders, 6, 17, 56, 582, 587, 699, 701, 1041, 1076, 1084.
 " correspondence, 46, 338, 358, 379, 418, 438, 536.
 " Lane, 402.
 " Lilienthal and Pilcher, 619.
 " stability of, 56, 82.
 " starting apparatus, 22, 47.
 " in New Zealand, 808.
 " in Queensland, 1020.
 " at Semmering, 135.
 " paper, 147, 296, 419, 511, 563, 730, 876, 897, 1021, 1042, 1063. *See also* Models.
 Gnome engine, 616, 721, 735, 884.
 " described, 1074.
 " effects, 494.
 Godalming, model contests at, 164.
 Goodchild model, 249.
 Goodwin aeroplane, 763.
 Gordon-Bennett Aviation Cup, 81, 218, 395, 676, 713.
 " British team, 957.
 " French team, 827, 854.
 " result, 900.
 " (1911), 1029.
 " Balloon Cup (1909), 29.
 " (1910), 81, 97, 850, 916, 978.
 Gould Prize rules, 911.
 Goupy biplane, 552, 991.
 Grace, Cecil, 94, 242, 257, 294, 313, 330, 348, 484, 515, 569, 582, 735, 877, 1057, 1080.
 Grade, Herr, 28, 64, 196, 220, 243.
 Grahame-White, C., 28, 62, 196, 258, 277, 291, 294, 321, 433, 448, 457, 467, 483, 559, 568, 602, 623, 645, 672, 732, 759, 973, 1011, 1023, 1031, 1037, 1048, 1057. *See also* London to Manchester.
 " all British machine, 468.
 " flies to court, 406.
 " in America, 870. *See also* Gordon-Bennett Cup.
 Grand Pierre, 357.
 " Prix A.C.F., 258, 500, 805, 869, 891, 909, 932, 958, 1016, 1059, 1082.
 Gratze monoplane, 406, 468.
 Gravity, centre of. *See* Pressure, centre of.
 Grawert military aeroplane, 417, 427.
 Green engine, 186, 214, 230.
 Greene biplane, 357.
 Gregoire-Gyp monoplane, 204, 308.
 " motor, 903.
 Grimmer, R. P., on School Aero Clubs, 1066.
 Grose monoplane, 337.
 Gross airship, 29, 81, 132, 316, 357, 531, 556, 627, 893, 1060, 1079.
 Guffroy, M., 294.
 Guns for aeroplanes, 719, 780, 782, 1006. *See also* Bomb dropping.
 Guyot-Verdier biplane, 166.
 Gyroscopic control, 152, 786, 960. *See also* Control.
 " effects, 942, 1062.

HAAS, death of, 828.
Haldane, Mr., on flight, 242, 931.
Hallboun dirigible, 166.
Hamilton, C. K., 416, 452, 469, 488, 584, 759, 933, 1018.
Hampshire Aero Club, 256, 274, 292, 329, 394, 411.
Hampton Court from balloon, 43.
Handley Page monoplane, 204, 252, 560.
" " Mr., 449.
" " " on machines at Rheims, 551.
" " " fittings, 740.
Hanriot monoplanes, 396, 401, 414, 450, 932.
" " " described, 986.
" " Marcel, 135, 550.
Hanuschke biplane, 69.
Harding, J., 295, 489, 602, 614.
Harmon, Clifford, 531, 690, 933.
Hartlepool Aero Club, 194.
Harvard University Ae.S., 293, 674.
Havre meeting, 674, 710, 726, 753.
Hastings Model Aero Club, 379, 466, 491.
Hawkins-Ogilvie biplane, 1030.
Hearne, R. P., 150.
Hearst Prize, 554.
Head resistance, by R. F. Macfie, 523.
Height. See Altitude, and Records, height.
Helicopters, 586, 786, 852, 910, 919, 937, 976, 1019, 1084.
" problems of, 976, 999, 1040, 1063, 1084.
Heliopolis meeting, 13, 29, 94, 111, 126, 133.
Helmet, 755.
Hendon aerodrome. See London.
Henry of Prussia, Prince, 316, 649, 933, 958, 974, 997.
Herveu, Mdle. J., 1016.
Herring-Burgess biplane, 305, 435.
Hewitt, V. D., 493, 649.
Hicks anemometer, 585.
Higginbottom, G., 755, 780.
Hillsman monoplane, 113.
Hintner monoplane, 196.
Hill monoplane, 376.
Hoffmann biplane, 95.
Holder, N. F., 559, 734.
Hollands propeller, 52.
Horner, D. F., 698.
Hornstein biplane, 254, 282.
House, J. A., 26, 165, 257, 259.
Houdini, Harry, 332.
Hour, flights of an, 290.
Hoxsey, A., 718, 854, 894, 933, 959, 1059.
Hubbard monoplane, 355.
Hudson-Fulton celebrations. See Albany-New York flight.
Humber biplane, 233, 996, 1059.
" engine, 469, 500.
" monoplane, 43, 94, 119, 203, 234, 973.
Hunter, A., 1011.
Huntingdon aerodrome, 151, 165, 694.
Huntington, Prof., aeroplane, 331.
Hurlingham, ballooning from, 503, 531.
Hydrogen, 110.
Hydroplane, 302, 560. See also Fabre.
ILLNER, K., 409, 451, 846, 871.
Imports and Exports, 116, 198, 298, 380, 474, 564, 656, 764, 855, 950, 1064.
India, flying in, 396, 1013, 1018, 1056. See also Allahabad.
Indian biplane, 245.
Insurance, 264.
Integral propeller, 37.
Invention, future, 300.
Irish Aero Club, 9, 195, 505.
" Channel crossed (balloon), 81, 132.
" meeting. See Leopardstown.
Isaacson engine, 687.
Issy, 101, 529.
Italian military airships, 13, 92, 417, 585, 649, 826, 1039.
" aeroplanes, 530, 619, 807, 871, 1017.
Italy, King of, 829.
JACKETS, floating, 596.
Japan military aeroplanes, 649, 718, 933, 958, 1067.
Japanese aeroplane, 1067.
Jeffries, Dr., cross-Channel flight, 413.
Johannisthal aerodrome, 44, 243, 279, 412, 560, 604, 674, 871, 913, 1038, 1082.
" meeting, 65, 893.
Johnstone, R., 932, 975.
Jones model, 249.
Juvisy meeting, 470, 487.
KAISER, H.I.M. the, 109, 1059.
Kapteyn, A., on gyroscopic effect, 942.
Keidel, F., 69.
Kennedy, Rankin, 392.
Kensington Aero Club, 953.
Kimmerling, 336.
Kinet, D., 128, 278, 294, 436, 471, 560, 584.
" N., 395, 651.
Kipling, Rudyard, 912.
Kite and Model Aeroplane Association, 126, 137, 232, 256, 311, 329, 375, 394, 432, 448, 467, 505, 526, 533, 600, 622, 779, 821, 888, 906, 1010, 1030, 1077.
Kites, 46, 99, 843, 911.
Koechlin monoplane, 356, 529, 560, 648, 1073.
Kormann-Ewald aeroplane, 1082.
Kuhn aeroplane, 13.
Kuller, 165.

LABOUCHERE, 415, 488, 506.
Ladougue, 294, 395, 416, 583, 626, 648, 790, 835.
Lambert, Count, 63, 357, 414, 446, 507, 846, 914.
Lampough propeller, 53.
" explosion turbine, 698.
" two-cycle motor, 1036.
Lana, Francesco de, 886.
Lanark meeting, 143, 258, 278, 376, 501, 514, 600, 612, 633, 694, 780, 843.
" described, 636, 660.
" regulation, 481, 559.
" results, 665.
Lancet, 1069.
Landing chassis, 1019.
Lane-Farman machine, 1037.
Langley medal, 160.
Langley's law, 742.
Lane glider, 502.
" monoplane, 94, 206, 269.
" Chas., 484.
Langdon-Davies on elastic motors, 750.
Lange, P., 69.
Langhe monoplane, 336.
Langley's error, 318.
Lanser, 560, 1082.
Lanz prize, 357.
Latham, H., 12, 27, 42, 218, 334, 433, 550, 648, 673, 776, 827, 845, 934.
Laurens, 827, 844, 892, 996, 1017, 1081.
L'aviation motor, 885.
Law, aeroplanes and, 70, 590, 627, 649, 1004.
" in Germany, 627, 649.
" Conference on International, 372, 407, 436, 530, 1004.
Lazare Weiller Prize, 974, 996, 1038, 1071.
Leamington Aero Club, 491.
Lebaudy Bros. and aeroplanes, 96.
Leblanc, 12, 42, 259, 294, 416, 434, 827, 1016.
Le Blon, death of, 277, 298.
Legagneux, 196, 220, 336, 372, 386, 1038, 1071.
" Leonardo da Vinci, 96.
Leopardstown meeting, 485, 501, 714, 780, 866.
Level for aeroplanes, 737.
Liege meeting, 909.
Ligez motor, 885.
Lightning strikes aeroplane, 604.
Lights, beacon, 1059, 1082. See also Signs.
Lilienthal bicycle, 64.
" glider, 6.
Lindpaintner, 435, 891.
Liverpool Aero Club, 329, 622, 801.
Liverpool-Manchester Prize, 11.
Lloyd, Major, on measuring altitude, 790.
Locke monoplane, 280.
Lohner aeroplane, 1039.
London aerodrome (Hendon), 80, 818, 840, 866, 889, 908, 930, 955, 970, 994, 1010, 1038, 1056, 1077.
" County Council, 890.
" to Manchester, 320, 326, 342, 349, 370.
" -Paris Aerial Service, 559.
Lorraine, R., 569, 582, 615, 649, 671, 728, 747, 749, 802, 824.
Los Angeles meeting, 44, 54, 79, 122.
Lyons meeting, 371, 391.
MAASDYK, death of Van, 718.
Macfie, R. F., on aerodromes, 150.
" biplane, 198, 899.
" monoplane described, 153, 178.
" on head resistance, 523.
Madiot, Capt., death of, 891.
Mahieu, M., 914.
Magnetos, 428.
Maitland, Capt., 623.
Malaga meeting, 732.
Malone, C. J. L., on planes, 1035.
Malynski, Count, 827.
Mamet, 144, 279, 371, 436.
Manchester Aero Club, 93, 144, 180, 375, 394, 432, 526, 690, 801, 822, 842, 865, 888, 930, 971.
Mann and Overton's Demoiselle, 205, 270.
Maps for flying, 96, 440, 465, 602.
Marie, Pierre, 560, 583.
Mars, B., 719, 738, 827.
Marseilles meeting, 259, 470, 487, 583, 603, 625.
Martinet, 395, 415, 416, 435, 827.
Marvingt, Mdle., 990, 998.
Masson engine, 902.
Matscwitch, Capt., 846.
May's propeller testing apparatus, 364.
Maxim aeroplane, 136, 322, 343.
" early experiments, 161.
" Sir Hiram, 173, 803.
McArdle School, 395, 409, 965.
" W. H., 594, 614.
" See also New Forest School.
McClellan, F., 26, 734, 954, 964.
McCurdy, 29, 195, 220.
Mechanics' Prize, 294.
Melly, H. G., 843, 866.
Mente, Lieut., death of, 892.
Mercedes engine, 846.
Michelin Cup, British, 46, 162, 165, 274, 277, 928, 992, 1079.
" French, 27, 196, 625, 913, 1038, 1071, 1081.
Midland Aero Club, 126, 164, 195, 232, 375, 432, 717, 842, 865, 930, 1055.

Milan meeting, 530, 834, 828, 847.
Military aspects of airships and aeroplanes, 60, 78, 166, 842.
Miller engine, 627.
Models, accessories, 387.
" at Olympia, 249.
" challenge, 244.
" clockwork motors, 439.
" club for London, 102, 113, 224.
" competitions, 64, 164, 278, 485, 600, 622, 675.
" construction, 423, 512, 562, 587, 608, 645, 743, 761, 777, 787, 939, 968, 980, 1084.
" correspondence, 15, 66, 82, 113, 148, 167, 169, 197, 222, 245, 260, 296, 316, 340, 359, 366, 380, 399, 418, 439, 455, 473, 534, 537, 562, 587, 608, 632, 655, 679, 701, 722, 743, 787, 810, 832, 853, 897, 920, 939, 961, 981, 1001, 1021, 1041, 1063, 1084.
" covering planes, 31, 45, 67, 98.
" elastic motors, 14, 45, 99, 360, 380, 400, 537, 563, 587, 750.
" electric motors, 537.
" engines, 32, 245, 261, 280, 926.
" for 5s., 777.
" framework, 14, 68, 130.
" motor driven, 114, 249, 420.
" propellers, 15, 439, 454, 679, 1084. See also Propellers.
Model Balloons and Flying Machines, 559.
Moisant, J. B., on future speeds, 746.
" Paris to London trip, 671, 683, 691, 713, 728.
Molon, 12, 95, 112, 144, 220, 243, 583.
Mondorf meeting, 450.
Montgolfier memorial, 697.
" monoplane, 523.
Mont St. Michel meeting, 696, 717.
Moonbeam, 454.
Morane, 314, 472, 507, 565, 569, 827, 844, 891.
" monoplane, 913.
Morning Post airship. See National Fund airship.
Motor boat v. aeroplane, 291.
Motor Union, 111, 126, 137.
Moore-Brabazon, J. T. C., 42, 76, 128, 165, 195, 654.
Morison, O. C., 846.
Mourmelon, doings at, 248, 256, 294, 313, 451, 506, 782.
Mulliner monoplane, 80, 206, 233, 296.
Munich airship shed, 97.
" meeting, 758.
NANTES meeting, 674, 695.
Napoule aerodrome, 43.
National Fund airship, 353, 768, 803, 893, 916.
National Physical Laboratory Report, 226.
" apparatus, 265.
Nau monoplane, 414.
Naval aeronautics, 86, 130, 145, 167, 221, 260, 296, 358.
" aeroplanes, 827, 959, 969.
Nazzaro, 259, 480.
Neale biplane described, 813.
" monoplane, 354, 370, 550, 875, 897, 980.
" dirigible, 911.
Negative angle, 296, 439, 534.
Nerve, 451, 489.
N.E.C. engine, 23, 529.
" two-stroke engine, 1052.
New Forest School, 776, 817, 840, 866, 889, 908, 931.
Nice meeting, 63, 226, 277, 800, 312, 334.
Nicholson monoplane, 205.
Niel, Madame, 757.
Nieuport monoplane, 27, 552, 1028.
Niort meeting, 276.
Northampton Institute, 527, 818.
Northumberland Aero Club, 126, 164, 256, 292, 579, 864, 906.
" meeting, 556, 645. See also Boldon.
Norway Aero Club, 166.
Norwegian military flyers, 1017.
OERLIKON motor, 903.
Ogilvie, Alec, 195, 335, 725, 1079.
Okill pressure indicator, 558.
Oldham Aero Club, 41, 77, 93, 111, 126, 256, 311, 736.
Olieslaegers, 44, 63, 81, 279, 548, 739, 758, 807, 1017.
Olympia Aero Show, 189, 199.
" leader on, 200.
" review of exhibits, 201.
" models at, 217, 249.
" Royalty at, 218.
" table of aeroplanes at, 235.
Ornis monoplane, 209, 289.
Osmont, 414, 436, 451.
Oxford A. and Ae. C., 77.
Oxy-acetylene welding, 1060.
PADDINGTON Aero Club, 717, 779, 801, 822, 842, 865, 906.
Paddle, 66, 317, 918, 1060, 1062.
Paget, Sir R., on control, 682.
Palermo meeting, 259.
Parachutes, 831.
Paradox rotary engine, 948.
Parent biplane, 695.
Paris-Pau prize, 913, 974.
Paris, police regulations in, 846.
Paris-Berlin-Brussels-London race, 692.
Paris to Bordeaux, 740.
Paris-Brussels Prize. See Grand Prix A.C.F.

Paris-London Prize, 258.
 Paris Municipal Council prizes, 694, 751, 782, 974.
 1059.
 Paris Show, 10, 860, 880, 901.
 Parisot, 718, 755.
 Parkes monoplane, 218, 339.
 Parseval aeroplane, 113, 315, 871.
 " airship, 65, 166, 215, 295, 417, 452, 584, 627,
 697, 712, 893, 914, 916, 956.
 Pasqua, Lieut., death of, 696.
 Passat ornithopter, 937.
 Paste, 537.
 Patents, 329.
 " value of, 511.
 Paterson, C. C., 395, 407, 414, 433, 649, 755, 995.
 Paul, E., 395.
 Paulhan, 44, 51, 54, 79, 95, 96, 113, 128, 220, 303, 321,
 336, 376, 386, 436, 625, 718, 783. *See also*
 London to Manchester.
 " biplane, 858, 911, 914, 932, 995, 998.
 Pavillet and Dawson monoplane, 469.
 Peggy the Aeronaut, 871.
 Pelterie. *See* R.E.P.
 Pendulum stability, 961, 1000.
 Penteado, 11.
 Petre monoplane, 209, 288.
 Pfizner monoplane, 142, 584.
 " described, 182.
 Photographs, faked, 1, 171.
 Piffard biplane, 414, 733.
 Piggott biplane, 383.
 Pilcher glider, 20, 151.
 Pilot aviators' banquet, 1056.
 Pilot certificates, British, 24, 57, 274, 291, 310, 328,
 431, 490, 600, 736, 778,
 841, 905, 929, 952, 971,
 992, 1009.
 " rules for, 952.
 " French, 37, 72, 112, 166, 219, 242,
 294, 336, 377, 404, 408,
 465, 471, 585, 601, 689,
 734, 1036.
 " rules for, 738, 913.
 " German, 44.
 " Italian, 584, 604.
 " Belgian, 1082.
 Pischoff monoplane, 552, 948.
 " propeller, 52.
 Pitman, Ernest, 449.
 Planes, cambered, 281, 338, 894.
 " experiments with, 1035.
 " self-cambering, 720.
 " surfaces, 473, 493, 511.
 " trailing edge, 894.
 " Ltd., biplane, 1000, 1012.
 Plochmann, death of, 828.
 Poetry, 580, 666, 771, 826, 838, 972.
 Poillot, E., 695, 807.
 Pollock, C. F., 781.
 Polytechnic School, 373.
 Popoff, 452.
 Porcupine quills, 525.
 Pordenone School, 649, 673.
 Portraits—
 Roger W. Wallace, K.C., 5.
 Mortimer Singer, 34.
 L. Paulhan, 51, 321.
 A. V. Roe, 71.
 Henry Farman, 103.
 Sir Hiram Maxim, 173.
 C. Grahame-White, 321.
 Cecil Grace, 515.
 Capt. Dickson, 541.
 Hon. Alan Boyle, 566.
 J. A. Drexel, 591.
 L. D. Gibbs, 635.
 J. Radley, 659.
 J. B. Moisant, 683.
 J. W. Dunne, 705.
 Alec Ogilvie, 725.
 R. Lorraine, 747.
 G. A. Barnes, 767.
 E. Ladougue, 835.
 E. Clement, 857.
 D. Graham-Gilmour, 879.
 W. E. McArdle, 965.
 T. Sopwith, 985.
 G. C. Colmore, 1005.
 Portway monoplane, 556.
 Power required for monoplane, 494.
 Pressure, centre of, 367, 608, 809, 936, 1039.
 Press and aviation, 566, 599, 812.
 Prier, M. P., 931.
 Pritchard, J. L., on aeroplane v. dirigible, 134.
 Prizes, American, 166, 279, 452, 469, 560, 807, 854, 959.
 " Austrian, 156.
 " Belgian, 113, 996.
 " British, 529.
 " French, 42, 106, 219, 258, 373, 377, 396, 782,
 806, 846, 913.
 " German, 648, 758, 783, 892, 958, 975, 1016.
 " Italian, 44, 250, 560, 975.
 " suggestions for, 422, 812, 1024, 1040.
 Progress, 18, 118.
 Provinces, duty of, 172.
 Propellers, elementary notes, 25, 36, 52, 98, 128.
 " aerial, by Naval Constructor, 91, 106, 123,
 139.
 " as stabilisers, 791.

Propellers, correspondence, 30, 47, 65, 83, 97, 114, 197,
 316, 398, 536, 676, 831, 851, 918.

" model, 972.
 " speed, 281.
 " testing, 114, 363, 398, 455, 554, 679, 867.
 " thrust of, 652.
 " v. tractors, 607.
 " four-bladed, 626.
 Pyrenees, flying across, 737.

QUIMPER meeting, 584.

RADIATORS, 429, 557, 1037.
 Radley, J., 294, 314, 346, 355, 376, 433, 448, 539, 569,
 623, 659, 713, 870.

Rawlinson, Capt., 218, 240, 257, 274, 279, 300.

R.E. biplane, 562.

Records, 41, 94, 295, 356, 472, 489, 626, 673, 758, 854,
 867, 974, 975, 1013, 1018, 1039, 1071, 1081.

" British, 928, 993, 1079, 1184.

" passenger, 41, 94, 188, 356, 472, 625, 673, 718,

719, 958, 975, 1036, 1038, 1071, 1081.

" height, 41, 560, 694, 716, 746, 818, 1038, 1082.

" proposed new height and speed, 870.

" distance, 41, 912, 974, 1059, 1071.

" speed, 41, 996, 1081.

R.E.P. monoplanes, 328, 560, 583, 862, 1008.

" propeller, 54.

" motor, 902.

" République " subscriptions, 142.

Retrospect, 2.

Reviews, 59, 156.

Rheims meeting, 521, 548.

Rhomboidal biplane, 88.

Richards, G. Tilghman, on model construction, 423.

Richardson, Percy, 258, 272.

Roan School Aero Club, 992.

Roberts biplane, 87.

Robillard, Count, 696.

Robl, J., 69, 489.

Rocket engine, 280.

Roe, A. V., 39, 71, 257, 449, 528, 559, 602, 623, 644, 672,
 694.

" and Co., 13, 559.

" triplane, 4, 11, 114, 145, 198, 202, 218, 289.

Rolls, Hon. C. S., 13, 26, 42, 62, 94, 128, 165, 195, 257,
 279, 348, 485, 501, 700.

" Cross-Channel flight, 404, 434, 442.

" death of, 540, 582.

" memorial, 710, 956.

Rome, from an airship, 128.

Roosevelt, T., 854, 894.

Rosell-Peugeot motor, 884.

Rotary engine effects, 494, 942.

" 721, 741, 742, 762.

Rowell, H. S., on cooling, 303.

Royal Aero Club of U.K., 34, 118.

" and King Edward, 374.

" aeronautical reserve, 1029.

" associated clubs, 581.

" Bournemouth Meeting, 141,

446.

" club house, 9, 24.

" Daily Mail cross-country

prize, 431, 905.

" de Forest Prize, 216, 328,

690, 841, 929, 1054.

" Doncaster, 162.

" Drexel's height record, 716.

" Dunville Challenge Cup, 24.

" Federation A.L., 40, 431,

905.

" General Committee, 820.

" general meeting, 216.

" Gordon - Bennett Aviation

Cup, 9, 291, 676, 1029.

" Gordon - Bennett Balloon

Cup, 9.

" Grahame - White testimo-

nial, 354.

" London and Manchester

prize, 329.

" Michelin Cup, 274.

" Mortimer Singer Cup, 553.

" M.Y.C. challenge, 291, 447,

465.

" notes, 9, 24, 40, 57, 77, 93,

110, 125, 141, 162, 185,

216, 255, 274, 291, 310,

328, 354, 374, 393, 410,

431, 447, 465, 490, 505,

526, 553, 581, 600, 622,

676, 690, 716, 736, 756,

778, 800, 820, 841, 864,

887, 905, 929, 952, 971,

992, 1009, 1029, 1054.

" pilot certificates, 24, 57, 274,

291, 328, 431, 447, 465,

490, 600, 736, 778, 841,

905, 929, 952, 971, 992,

1009.

" rules, 141,

310, 778,

952.

" prizes, 125, 274.

" offer to Admiralty, 992,

1009.

" Royal honour, 129.

" salvage, 820, 841.

Royal Aero Club of U.K., towns, flying over, 800, 808.
 " " " " Wolverhampton meeting,
 447.

Rouen meeting, 486, 508.

Rougier, 11, 43, 196, 220, 243, 315, 396, 875.

" biplane, 871, 882.

Rugby Engineering Society, 126.

Ruinart prize, 373, 410.

Rule of the air, 240.

Rusyan biplane, 63.

Russia, flying in, 604, 975, 1018.

Russian military aeroplanes, 436, 806.

" airships, 259, 279, 531, 892, 1039.

" national prizes, 892.

ST. PETERSBURG, flying at, 846, 892.

" meeting, 371, 391.

S.A.F.A. biplane, 753, 1038, 1073.

Saglietti, Lieut., death of, 914.

Sahara Desert, across the, 735.

Salisbury Plain, doings, 908, 931, 970, 994.

Sanders biplane, 128, 138, 169.

" teaching apparatus, 1006.

San Sebastian meeting, 830.

Santos Dumont, 28, 315.

" monoplane. *See* Clement-Bayard.

" monument, 978.

Savary biplane, 395, 551, 648, 846.

Savoia, Lieut., 530, 783.

Scholarships, 547, 623.

School Aero Clubs, 1066.

" Flight Magazine, 138.

Schutte airship, 44, 166, 353.

Scientific American trophy, 279.

Scottish Aeronautical Society, 127, 137, 329, 1010, 1030,
 1077.

" " " model section, 779, 801,
 865.

Seddon aeroplane, 733.

Sellers, M. B., on centre of pressure, 367.

Semmering, gliders at, 135.

Sheds for airship. *See* Airship.

Sheffield Aero Club, 57, 93, 137, 195, 217, 292, 375, 410,
 412, 448, 491, 526, 582, 601, 690,
 717, 779, 842, 992, 1055.

Short biplane, 76, 425.

" described, 211, 228, 253, 280.

" propeller, 36.

Siemens-Schukert airship, 295.

" biplane, 220.

Signs for aviators, 12, 414, 892, 1038, 1059, 1081, 1082.

Simms, F. R., on flight in America, 464.

Sims glider, 17, 31.

Singer, Mortimer, 35, 93, 433.

Sippe monoplane, 938.

Sixplanes, 315.

Skids for sand, 417.

" v. wheels, 630.

Slater monoplane, 433.

Sloan aeroplane, 860, 881.

Smith, G. P. B., model, 249.

Smith-Dorey valve, 408.

Snowden-Smith, Lieut., 995.

Soaring birds, 870.

" flight, 378.

Sommer, Roger, 43, 62, 95, 112, 128, 144, 196, 220, 243,
 276, 294, 314, 356, 396, 407, 435, 500,
 530, 606, 827, 997, 1038, 1059, 1082.

" biplane, 209, 309.

" three passengers, 336, 356.

" monoplane, 1051.

Sopwith, T., 985, 993, 1057.

Southend meeting, 355, 623.

South Kensington Museum, 357, 890.

Southport aerodrome, 486.

Southsea Aero Club, 779.

South-West Aero Society, 41, 57, 77, 93, 137, 164, 292,
 375.

Spain, flying in, 369, 1082.

" King of, 829.

Spars. *See* Timber.

Speed, advantage of high, 856.

" alarms, 700, 721, 938, 1001.

" by Capt. Dickson, 658.

" competition, 658, 688, 731, 761, 772, 785,
 837, 966, 1033, 1049, 1072.

" effect of wind on, 108.

Speeds, future, by J. B. Moisant, 746.

Spencer, Sidney, 559.

" Miss Viola, 582.

" Stirling monoplane, 207, 251.

Spies, 294.

Spies airship, 13.

Spiral tube radiators, 1036.

Stability of aeroplanes, 145, 223, 836, 834, 851, 852, 937.

See also Control.

" devices, 429, 536, 587, 630, 655, 961, 1000.

" Stabilisers, propellers as, 791.

Sturgess landing wheels, 1019.
Surfaces, action of air on, 281, 338, 473, 785.
Surveyors and aeroplanes, 958.
Svendsen, 603.
Swann aeroplane, 26, 602.
Sweden, flying in, 1018.
Swiss aerodrome. *See* Viry.
" meeting, 13. *See also* Geneva.

TABUTEAU, 717, 892, 913, 1082.
Tails of birds, 1020.
Tanks, 598.
Taylor radiator, 557.
Teaching apparatus, 694, 785, 951, 1006.
Teasdale-Buckell machine, 763.
Tellier monoplane, 242, 583, 621, 625, 695, 759, 863, 871, 957, 974, 991, 1082.
" school, 754.
Terminology, 634, 655, 678, 687, 700, 720, 785, 875.
Testing apparatus. *See* National Physical Laboratory.
Also Propellers; Aeronautical Society.
Tetard, Maurice, 435, 451, 643.
Thames engine, 210.
Thelen, 69, 892.
Thiersch, A., 313, 529.
Thomas, 1081.
Thrust of propellers, 652.
Thurn, H., on wireless telegraphy, 524.
Timber, 14, 46, 82, 116, 130, 147. *See also* Bamboo.
Toft, L., on speed and wind, 108.
Tourin, A., 258.
Tours meeting, 357, 371.
Towns, flying over, 699, 800, 808.
Train monoplane, 626, 782, 827, 871, 933.
Transatlantic flying, 547.
Transport of aeroplanes, 92, 339, 359.
Treaty, airship, 452.
Treves to Metz flight, 828.
Triplane, 39, 122, 145, 245.
Trophies, 421.
Truro Model Aero Club, 779.
Turkish Army, 64, 489.
Twining biplane, 207.

URLWIN model, 249.
Uselli dirigible, 697.
Utility of aeroplanes, 964.

VACUUM airships, 398.

Valkyrie monoplane, 184, 774, 907, 990.
" described, 792, 824.
Valve for engine, 408.
Van den Born, 27, 42, 80, 94, 195, 243, 846.
Vendome biplane, 603.
" monoplane, 752.
Verdet engine, 901.
Verona meeting, 416, 434.
Viale engine, 902.
Vickers, Sons and Maxim propeller tests, 554.
Vidart, 663, 846.
Ville de Bruxelles, 584, 1060, 1079.
" Lucerne, 252, 607, 697.
" Pau, 96, 279, 295, 337, 397, 1060.
Viry aerodrome, 13, 29.
Voisin biplane, 27, 128, 218, 293, 486, 782, 827, 852, 861.
" details, 666, 739, 1008.
Vulture learning to fly, 151.
WACHTER, 314, 395, 506.
Wagner, 569.
Walkden, S. L., on stabilisers, 791.
Walker's art of flying, 694.
Wallace, Roger W., K.C., 5.
Warchalowski, 507, 530, 696, 719, 737, 783.
Warping, 67, 534, 678.
" v. Aileron, 32.
Watkins, Lieut., 1011.
Weaver monoplane, 406.
Weiss, 313.
Weiller, Lazare, 488.
Welford aeroplane, 335.
Wellman propeller, 52.
" airship, 556, 712, 868, 915, 1079.
Weymann, 748, 1038.
Wickham, Mr., 824.
Willard, C. F., 719.
Williams monoplane, 528.
Willows dirigible, 104, 444, 486, 509, 556, 745, 760, 826, 916.
" Cardiff to London, 647.
" London to Paris, 935, 955, 978, 1002, 1079.
" presentation fund, 672, 712.
Wind velocity, 97, 417.
" and flight speed, 108.
Windermere, flying over, 433.
Wing section, 271.
Wireless telegraphy, by H. Thurn, 524, 556, 802, 824, 1017, 1082.

Wire strainers, 316, 429, 960.
Wolseley engine, 462.
Wolverhampton meeting, 313, 374, 376, 406, 411, 514, 518.
" programme, 432.
" described, 497.
Women's Aerial League, 111, 126, 137, 195, 217, 256, 311, 491, 506, 842.
Wood. *See* Timber.
Workmen, suitable, 220, 280, 317, 338, 1058.
Wright Bros., 259, 396, 531, 706, 1083.
" biplane, 72, 531, 739, 762.
" described, 174.
" racers, 854, 894, 958.
" in Austria, 144.
" Eteve tail, 504.
" 1905 patent, 55.
" patents, 22, 144, 284, 289, 329, 846, 996.
" lawsuit, 284, 471, 527.
" and G. B. Cup, 329.
" Orville, 997, 1038, 1059.
" glider starting apparatus, 22, 47.
Wright, Howard, propeller, 52.
" monoplane, 202, 251.
" biplane described, 1045.
Wynmalen, 648, 819, 888, 932.

YACHTS and flyers, 595, 619, 787, 832, 860.
York racecourse, 586.
Yorkshire Aero Club, 9, 42, 77, 126, 375, 448, 491, 506, 906, 953, 1010, 1030.
ZARA, Leonino da, 259, 279, 649, 758, 783, 871.
Zeno monoplane, 997.
Zeppelin, Count, 44, 183, 958.
" airship, 761.
" II., 353.
" III., 13, 166.
" V., 436.
" VI., 712, 784.
" Polar expedition, 97, 215, 531, 649.
" *See also* Deutschland.
Zimmerman radiator, 210.
Zodiac III., 13, 29, 81, 96, 531, 584.
" biplane, 208, 234.
" airships, 259, 556, 956, 1018.
" in England, 502.
Zorn dirigible, 585.
Zselyi monoplane, 294.

